Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claim 1 (Currently Amended): An image display device, comprising:

first re-size means for reading out image data from a first memory that stores therein image data, and re-sizing the read-out image data;

a second memory for storing the image data re-sized by the first re-size means;

display control means for reading out image data from the second memory and re-sizing the read-out image data in accordance with a ~~variable~~ magnification ~~manipulation~~ change operation for an image to make display means display thereon an image of the re-sized image data; and

~~re-size~~ control means for, while the ~~variable~~ magnification ~~manipulation~~ change operation is carried out, instructing the display control means to make the display means display thereon the image re-sized by the display control means without newly reading out the image data from the first memory, and after the ~~variable~~ magnification ~~manipulation~~ changing operation is fixed, instructing the first re-size means to re-size image data newly read out from the first memory, in accordance with contents of the fixed ~~variable~~ magnification ~~manipulation~~ change operation, wherein when resolution of the image data read out from the first memory becomes insufficient in enlarged image display, after the magnification change operation is fixed, the image data is stored in the second memory without being re-sized and an image in a desired area is read out from the second memory by the display control means to be displayed in the re-sized form.

Claim 2 (Currently amended): An image display device according to claim 1, wherein when the contents of the fixed ~~variable~~ magnification ~~manipulation~~ change operation correspond to a predetermined condition, the ~~re-size~~ control means stores image data which is newly read out from the first memory, into the second memory without re-sizing.

Claim 3 (Currently amended): An image displaying method, comprising:

a first re-size step of reading out image data from a first memory that stores therein image data, and re-sizing the read-out image data;

a storing step of storing the image data re-sized in the first re-size step in a second memory; and

a display control step of reading out image data from the second memory and re-sizing the read-out image data in accordance with a ~~variable~~ magnification ~~manipulation~~ change operation for an image to make a display device display thereon an image of the re-sized image data,

wherein while the ~~variable~~ magnification ~~manipulation~~ change operation is carried out, the display control step re-sizes and displays the image data read out from the second memory without newly reading out the image data from the first memory, and after the ~~variable~~ magnification ~~manipulation~~ change operation is fixed, the display control step makes the first re-size step re-size image data newly read out from the first memory, in accordance with contents of the fixed ~~variable~~ magnification ~~manipulation~~ change operation, and

wherein when resolution of the image data read out from the first memory becomes insufficient in enlarged image display, after the magnification change operation is fixed, the

image data is stored in the second memory without being re-sized and an image in a desired area is read out from the second memory in the display control step to be displayed in the re-sized form.

Claim 4 (Currently amended): An image displaying method according to claim 3, further comprising the step of, when the contents of the fixed ~~variable~~ magnification ~~manipulation~~ change operation correspond to a predetermined condition, storing image data which is newly read out from the first memory after the ~~variable~~ magnification ~~manipulation~~ change operation is fixed, without re-sizing.

Claim 5 (Currently amended): A program computer-readably recorded on a recording medium, for making a computer execute an image displaying method, comprising:

a first re-size module for reading out image data from a first memory that stores therein image data, and re-sizing the read-out image data;

a storing module for storing the image data re-sized in the first re-size module in a second memory; and

a display control module for reading out image data from the second memory and re-sizing the read-out image data in accordance with a ~~variable~~ magnification ~~manipulation~~ change operation for an image to make a display device display thereon an image of the re-sized image data,

wherein the ~~variable~~ magnification ~~manipulation~~ change operation is carried out, the display control module re-sizes and displays the image data read out from the second memory without newly reading out the image data from the first memory, and after the ~~variable~~

magnification ~~manipulation~~ change operation is fixed, the display control module makes the first re-size module re-size an image of image data newly read out from the first memory and displays the re-sized image data, in accordance with contents determined through the ~~variable~~ magnification ~~manipulation~~ change operation, and

wherein, when resolution of the image data read out from the first memory becomes insufficient in enlarged image display, after the magnification change operation is fixed, the image data is stored in the second memory without being re-sized and an image in a desired area is read out from the second memory by the display control module to be displayed in the re-sized form.

Claim 6 (Currently amended): A video signal processing apparatus, comprising:

image pickup means for picking up an image;

~~recording means for recording the picked-up image on a recording medium;~~

a first memory for storing ~~reading out~~ the picked-up image ~~from the recording medium and temporarily storing therein the read-out image data;~~

re-size means for reading out the image from the first memory and re-sizing the read-out image;

~~an image display~~ a second memory for ~~temporarily~~ storing therein the image re-sized by the re-size means, in order to display the image; and

re-size display means for reading out an image in a desired area from the ~~image display~~ second memory to re-size and display the read-out image in the desired area,

wherein while a desired ~~variable~~ magnification ~~manipulation~~ change operation is carried out, the re-size display means reads out the image in the desired area to re-size and display the

image read out, and after the ~~variable~~ magnification ~~manipulation~~ change operation is fixed, an original image is read out from the first memory and is re-sized by the re-size means to be stored in the ~~image display~~ second memory, and the desired area of the re-sized image is displayed without re-sizing, and

wherein when resolution of the original image becomes insufficient in enlarged image display, after the magnification change operation is fixed, the original image is stored in the second memory without being re-sized and the image in the desired area is read out from the second memory by the re-size display means to be displayed in the re-sized form.

Claim 7 (Cancelled).

Claim 8 (Original): A video signal processing apparatus according to claim 7, further comprising:

compression means for compressing the picked-up image; and

expansion means for expanding the compressed image.

Claim 9 (Original): A video signal processing apparatus according to claim 8, further comprising:

raster-to-block conversion means for inputting raster-sequentially an image signal and generating block-sequentially an image signal of a desired block size; and

block compression means for receiving the image signal generated block-sequentially by the raster-to-block conversion means and compressing the received image signal.

Claim 10 (Original): A video signal processing apparatus according to claim 8, further comprising:

block expansion means for expanding the image signal which is received block-sequentially and compressed by compression means; and

block-to-raster conversion means for receiving block-sequentially an image signal and generating an image signal raster-sequentially.

Claim 11 (Currently amended): A video signal processing method, comprising:

a first storing step of ~~reading out image data from a recording medium and~~ storing ~~the read out~~ image data in a first memory;

a re-size step of reading out image data from the first memory and re-sizing the image data read out from the first memory;

a second storing step of ~~temporarily~~ storing the image data re-sized in the re-size step in ~~an image display~~ a second memory to display the image data; and

a re-size display step of reading out image data in a desired area from the ~~image display~~ second memory to re-size and display the image data in the desired area,

wherein while a ~~variable~~ magnification ~~manipulation~~ change operation is carried out, the image data in the desired area of the ~~image display~~ second memory is read out to re-size and display the image data in the desired area, and after the ~~variable~~ magnification ~~manipulation~~ change operation is fixed, image data is read out from the first memory and is re-sized in the re-size step to be stored in the ~~image display~~ second memory, and the image data in the desired area in the image display memory is displayed without being re-sized, and

wherein when resolution of the image data read out from the first memory becomes

insufficient in enlarged image display, after the magnification change operation is fixed, the image data is stored in the second memory without being re-sized and the image in the desired area is read out from the second memory by the re-size display means to be displayed in the re-sized form.

Claims 12-13 (Cancelled).

Claim 14 (New): A program for making a computer execute a video signal processing method, comprising:

an image pickup module for picking up an image;

a first storing module for storing the picked-up image data in a first memory;

a re-size module for reading out the image from the first memory and re-sizing the read-out image;

a second storing module storing in a second memory the image re-sized by the re-size means, in order to display the image; and

a re-size display module for reading out an image in a desired area from the second memory to re-size and display the read-out image in the desired area,

wherein while a desired magnification change operation is carried out, the re-size display module reads out the image in the desired area to re-size and display the image read out, and after the magnification change operation is fixed, an original image is read out from the first memory and is re-sized by the re-size module to be stored in the second memory, and the desired area of the re-sized image is displayed without re-sizing, and

wherein when resolution of the original image becomes insufficient in enlarged image

display, after the magnification change operation is fixed, the original image is stored in the second memory without being re-sized and the image in the desired area is read out from the second memory by the re-size display module to be displayed in the re-sized form.